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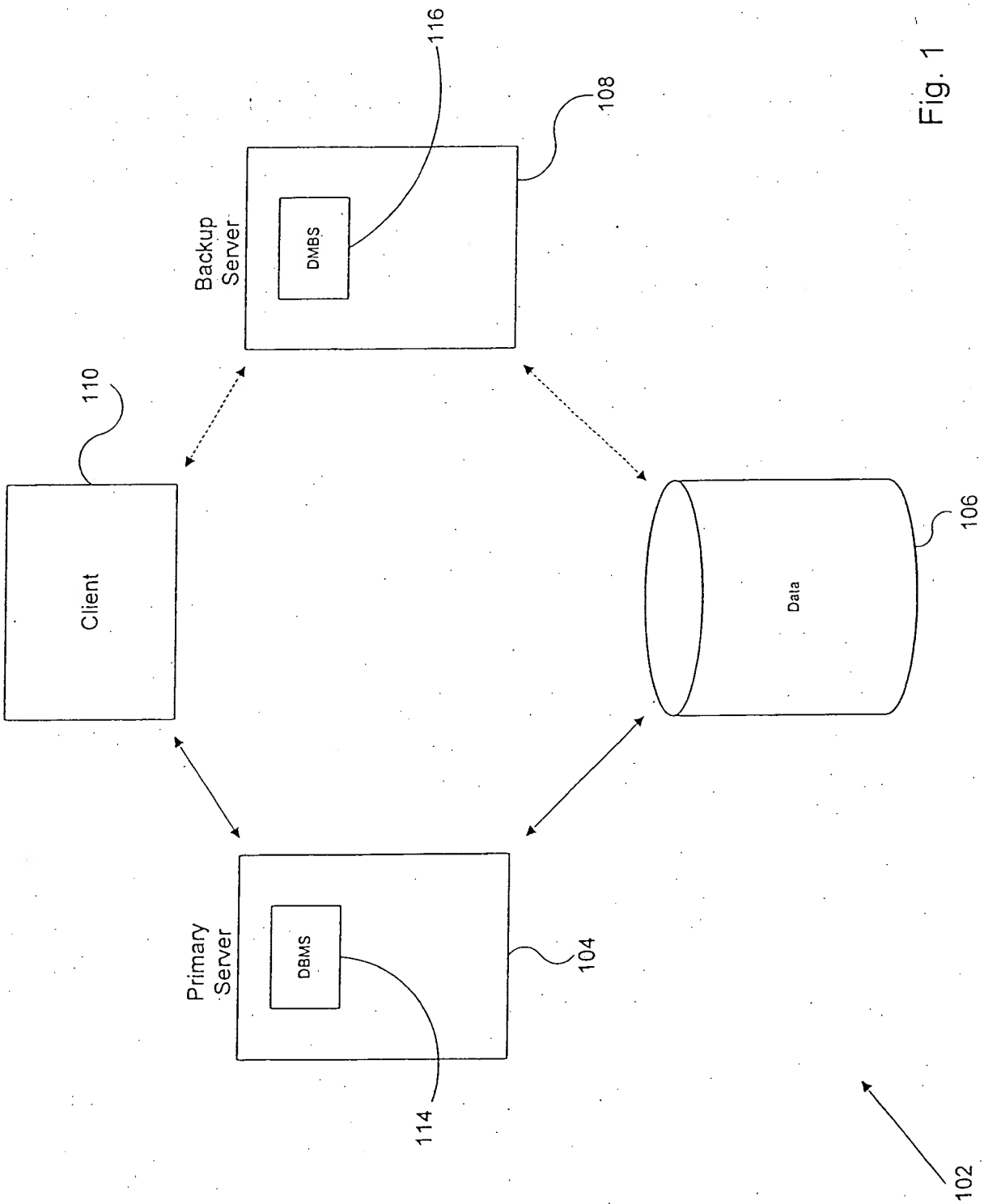

Fig. 1

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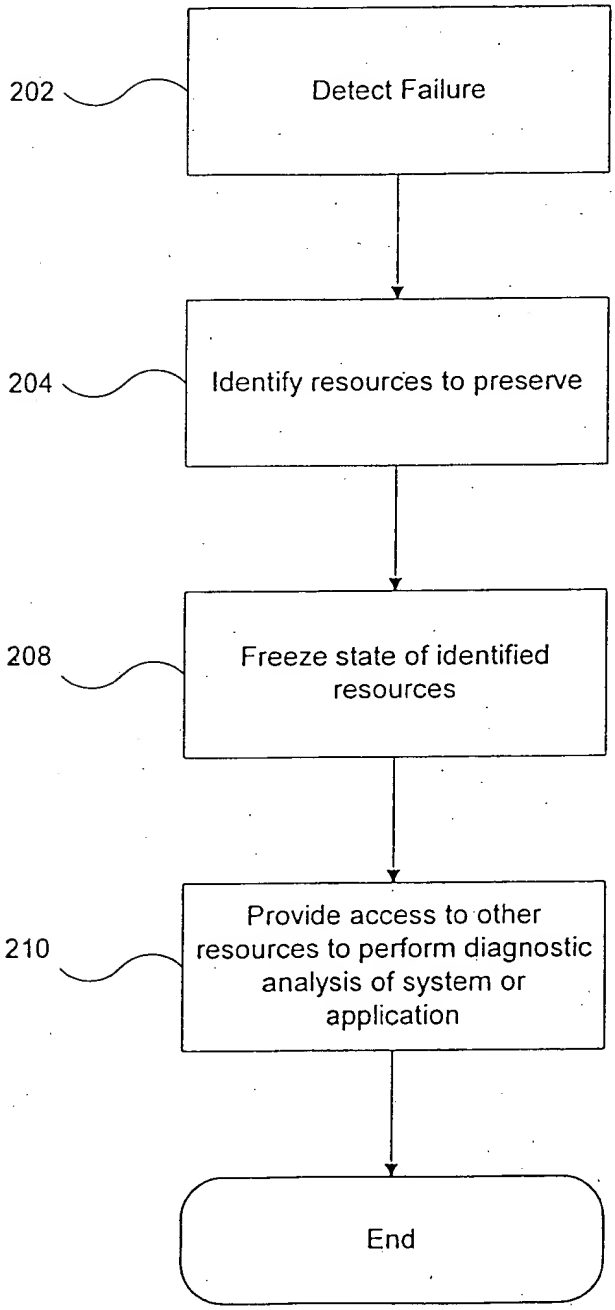
Fig. 2



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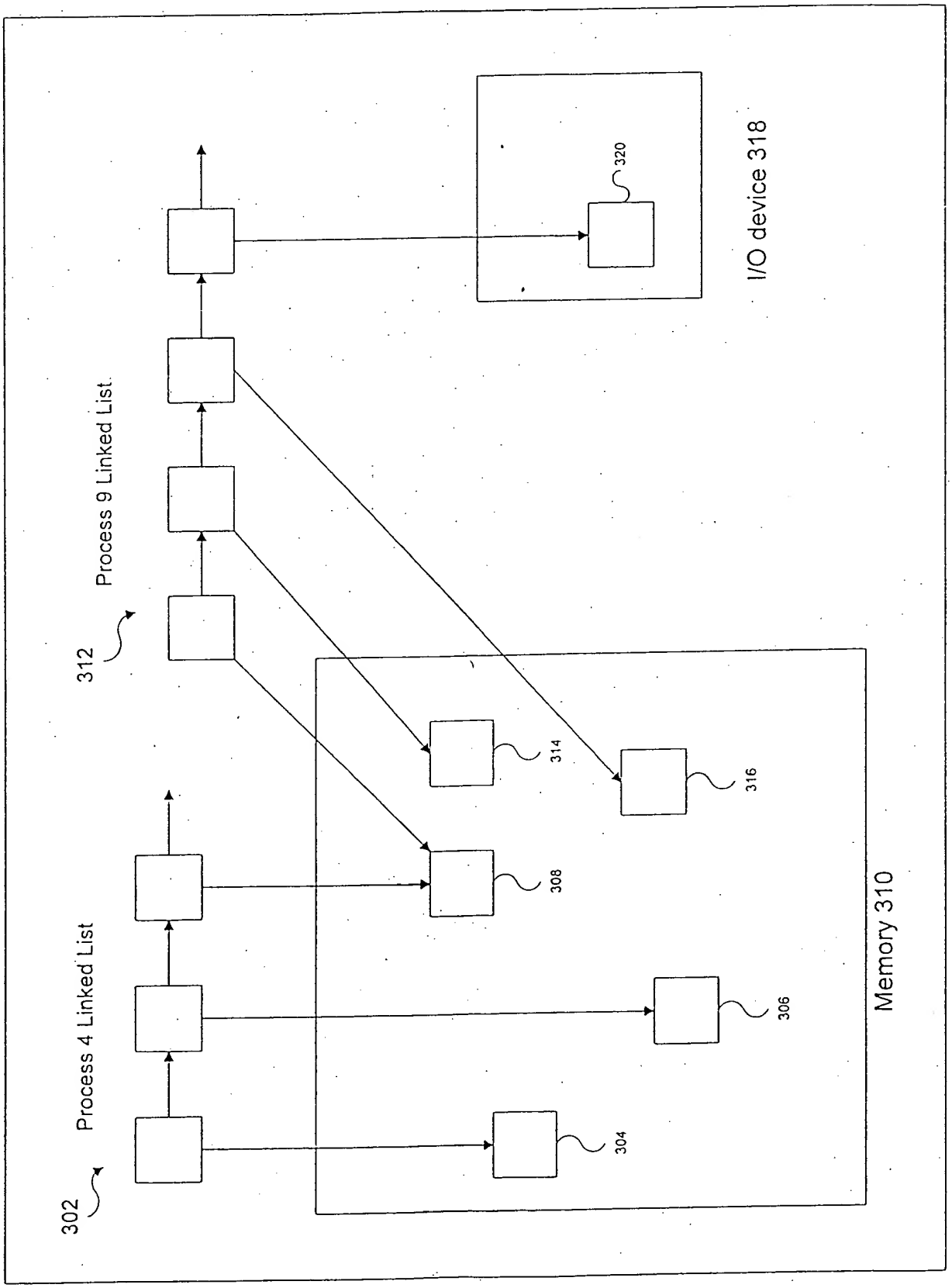

Fig. 3

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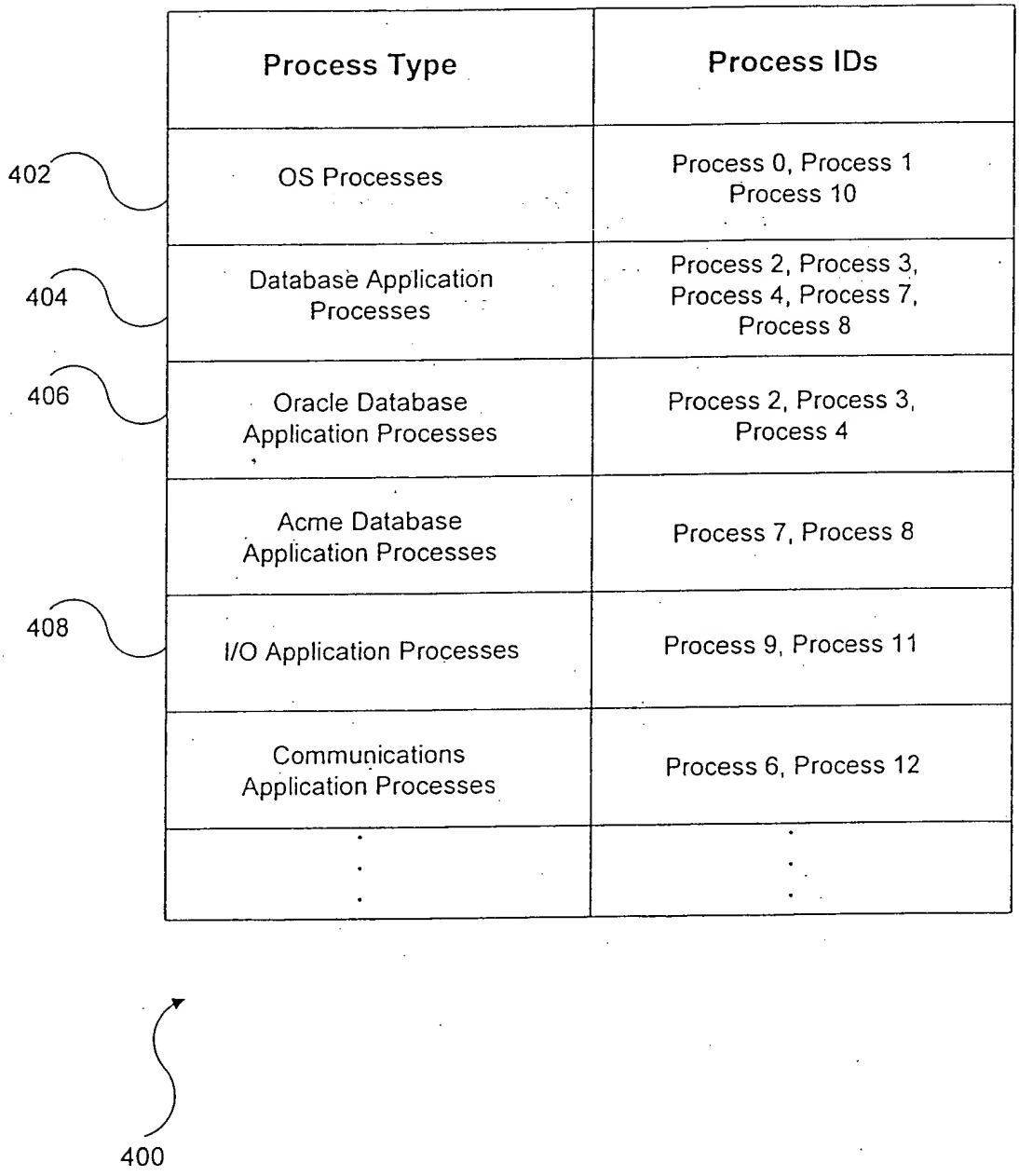

Fig. 4

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Failure Type	Processes to suspend
Database application Failure	Database application processes
Database application failure with DB I/O operation failure	Database application processes; I/O processes
Failure type 3	Communications processes
Failure type 4	Operating system processes
. . .	. . .

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504

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Fig. 5

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Failure Type	Processes to suspend	Resources to state freeze
Database application Failure	Database application processes	Resources associated with database application processes
Database application failure with DB I/O operation failure	Database application processes; I/O processes	Resources associated with database application processes; resources associated with I/O processes
Failure type 3	Communications processes	Resources associated with communications processes
Failure type 4	Operating system processes	Resources associated with operating system processes
.	.	.
.	.	.
.	.	.

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Fig. 6

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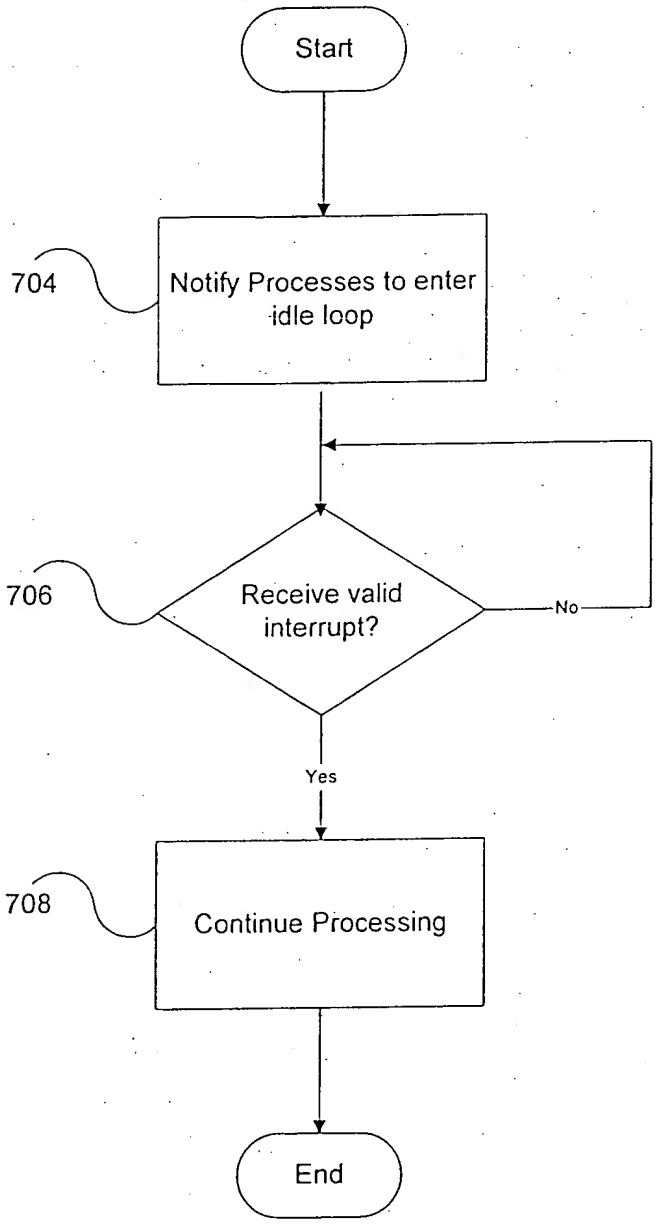

Fig. 7

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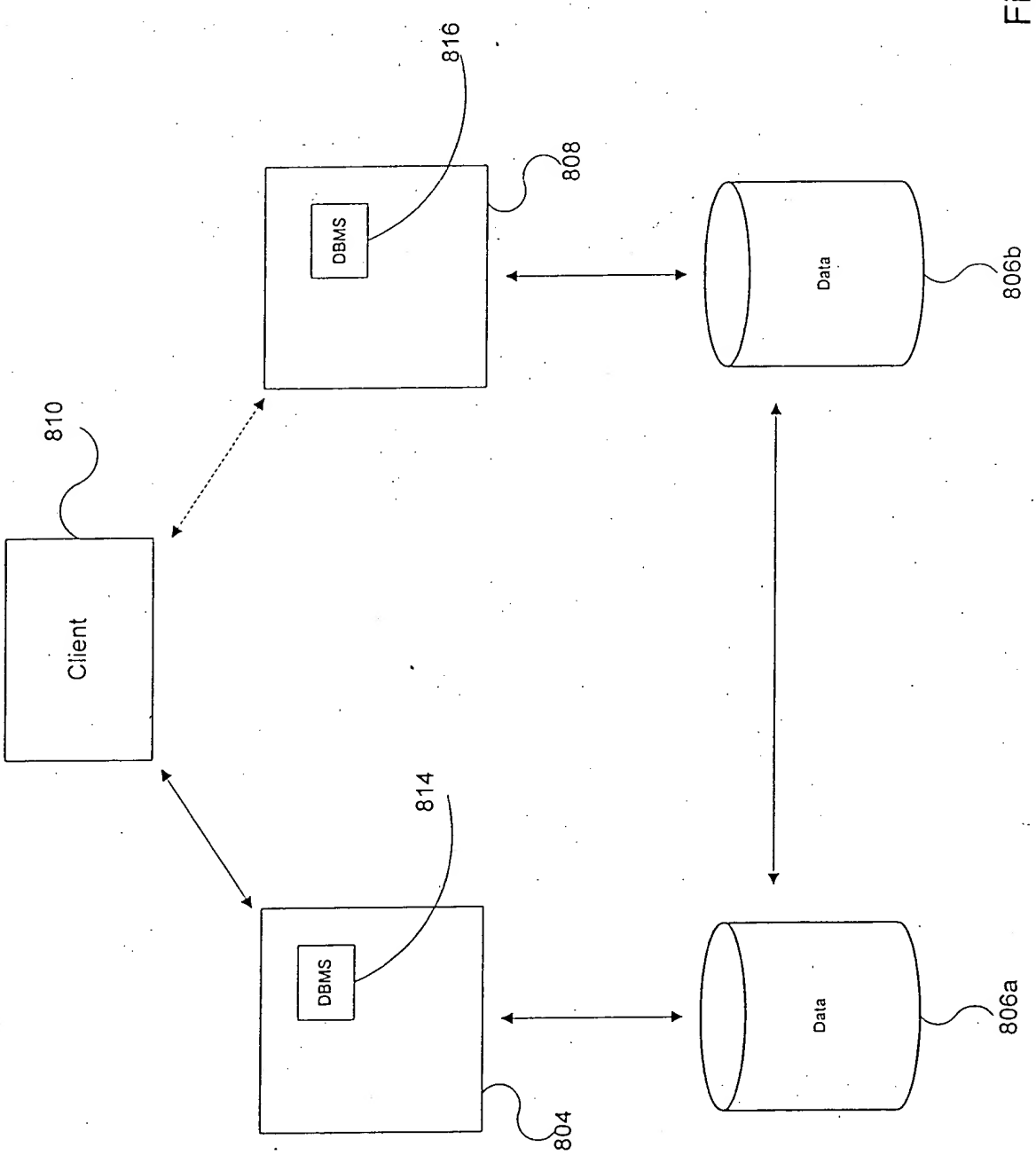
Fig. 8



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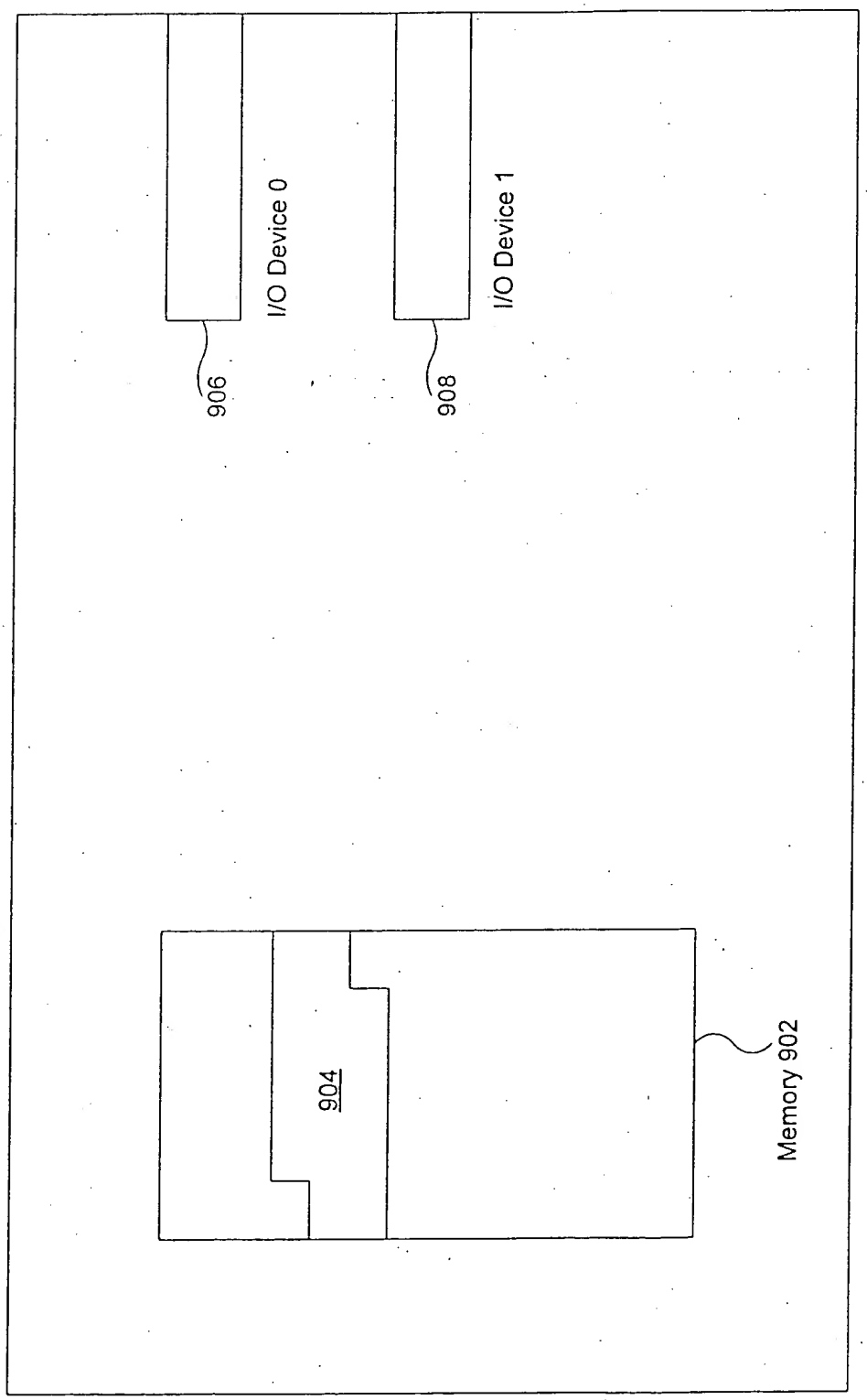

Fig. 9

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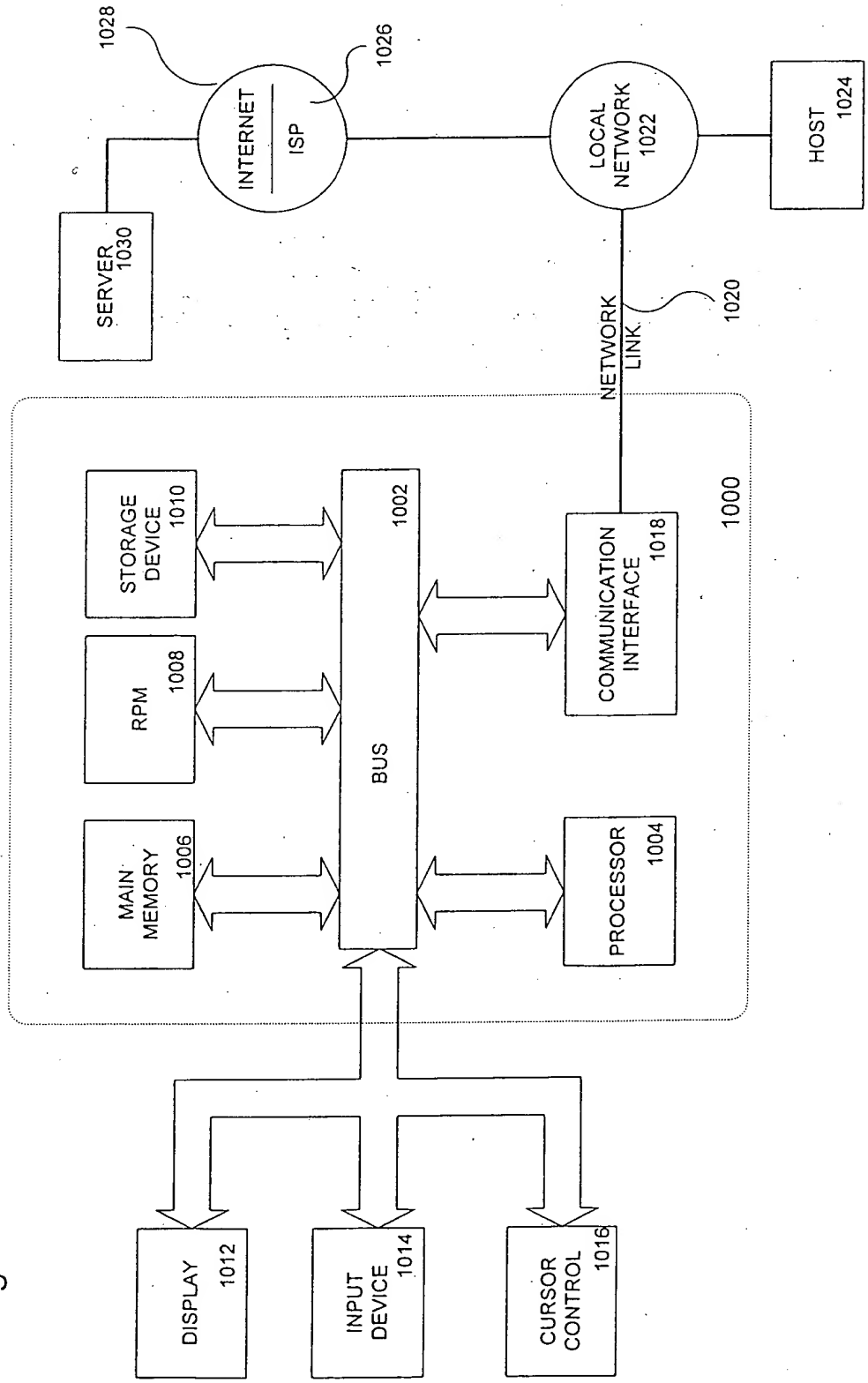

Fig. 10

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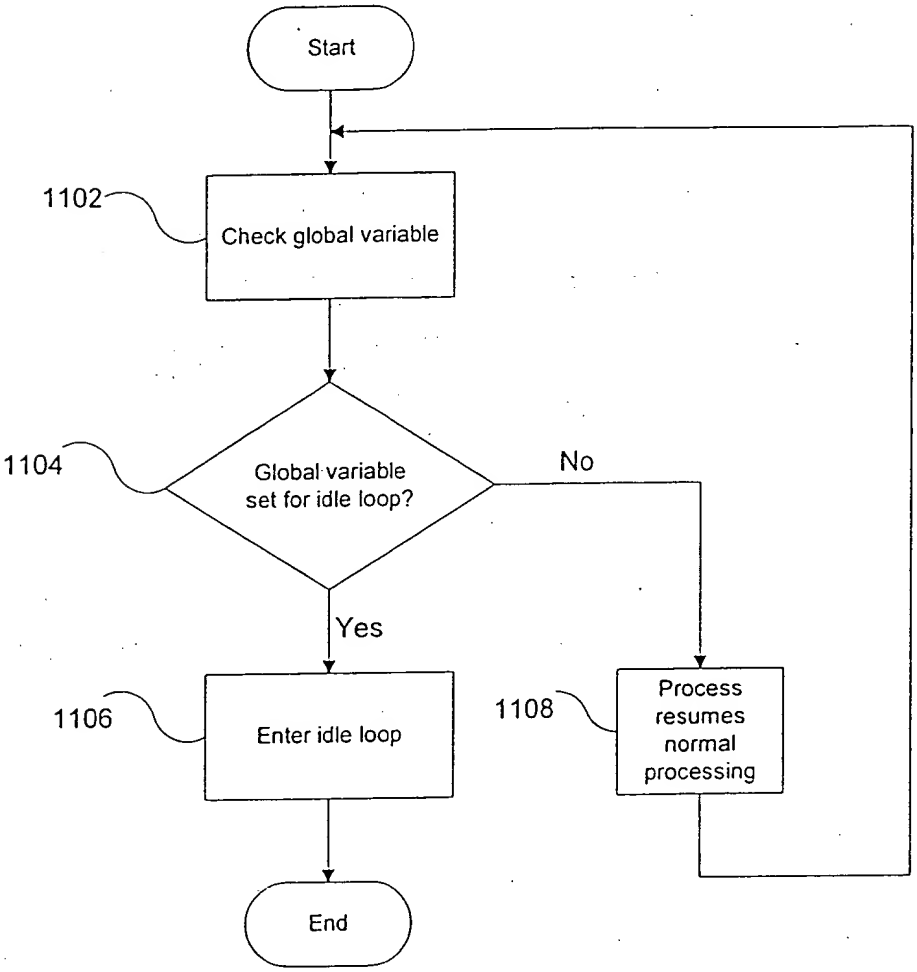

Fig. 11